

**In the claims:**

1        1. A system for optimizing the bandwidth on an audio/video network,  
2 comprising:

3              at least one slave client in communication with a master box for receiving  
4 network services at said at least one slave client;

5              a remote control unit for communicating with said at least one slave client;

6              a television in communication with said at least one slave client and said  
7 remote control, said television having an on condition and an off condition;

8              whereby when said television is turned on or off by said remote control unit,  
9 said at least one slave client can determine whether said television is in said on  
10 condition or said off condition.

1        2. The system of claim 1, wherein when said television is turned off by  
2 said remote control unit, a signal is transmitted to said at least one slave client to turn  
3 it off to stop the transmission of data to said at least one slave client from said master  
4 box.

1        3. The system of claim 1, wherein when said television is turned off by  
2 said remote control unit, a signal is transmitted to said at least one slave client to place  
3 said at least one slave client in a sleep mode, which allows said slave client to update  
4 databases from said master box, but it is otherwise off.

1        4. The system of claim 1, wherein said at least one slave client includes a  
2 learning module that allows said at least one slave client to learn appropriate remote  
3 control codes associated with other entertainment devices.

1           5.     The system of claim 1, wherein the audio/video network is for a single  
2 family home.

1           6.     The system of claim 1, wherein the audio/video network is for a  
2 commercial establishment.

1           7.     The system of claim 1, wherein said at least one remote is a smart  
2 remote control that sends a signal to said slave client regarding the status of said  
3 television.

1           8.     The system of claim 4, wherein said at least one remote control is a  
2 standard remote control and said at least one slave client determines the status of said  
3 television, based on said learned remote control codes.

1           9.     A method for optimizing the bandwidth on an audio/video network,  
2 comprising:

3                 providing at least one slave client that is in communication with a master box  
4 to receive audio and video information therefrom;

5                 providing a remote control unit for communicating with said at least one slave  
6 client;

7                 communicating a signal from said remote control unit to said at least one slave  
8 client when a television is turned on or off; and

9                 placing said at least one slave client in an appropriate state based on said signal  
10 received from said remote control unit.

1           10.    The method of claim 9, further comprising:

2                 programming said remote control unit to send a signal to said at least one slave  
3 client when said television is turned on or off.

- 1        11.      The method of claim 10, further comprising:
  - 2              turning said at least one slave client off when said signal received from said
  - 3              remote control unit indicates that said television is turned off, in order to stop
  - 4              transmission of data to said at least one slave client.
- 1        12.      The method of claim 10, further comprising:
  - 2              placing said at least one slave client in a sleep mode when said signal received from said remote control unit indicates that said television is turned off, such that it
  - 3              may still update its databases as necessary, it is in sleep mode for an extended period
  - 4              of time.
- 1        13.      The method of claim 9, further comprising:
  - 2              programming said at least one slave client to learn signals from said remote
  - 3              control unit to determine when said television is turned on or off.
- 1        14.      The method of claim 13, further comprising:
  - 2              turning said at least one slave client off when said at least one slave client
  - 3              determines that said remote control unit has turned off said television.
- 1        15.      The method of claim 13, further comprising:
  - 2              placing said at least one slave client in a sleep mode when said signal received from said remote control unit indicates that said television is turned off, such that said
  - 3              at least one slave client may still update its databases if it is in sleep mode for an
  - 4              extended period of time.

1        16.     The method of claim 13, further comprising:  
2              turning said at least one slave client on when said at least one slave client  
3     determines that said remote control unit has turned on said television.

1        17.     A system for optimizing the bandwidth on an audio/video network,  
2     comprising:  
3              at least one slave client in communication with a master box to receive network  
4     services and display audio and video on an associated television;  
5              a remote control unit that is intended to control said television, including  
6     placing said television in an on condition and an off condition; and  
7              said at least one slave client in communication with said remote control unit to  
8     determine whether said television is in said on condition or said off condition.

1        18.     The system of claim 17, wherein said remote control unit sends a signal  
2     to said at least one slave client indicative of whether said television is in an on  
3     condition or an off condition.

1        19.     The system of claim 18, wherein said at least one slave client has a  
2     learning module to learn program codes associated with said on condition and said off  
3     condition as emitted from said remote control unit.

1        20.     The system of claim 17, wherein when said television is in said off  
2     condition, said at least one slave client is placed into an off condition to stop the  
3     transmission of data from said master box.

1        21.     The system of claim 17, wherein when said television is in said off  
2     condition, said at least one slave client is placed into a sleep condition, which allows  
3     said at least one slave client to update databases from said master box.